user manual

Thank you for purchasing our product. Please read this manual carefully and thoroughly before any attempt to operate this product and retain it for your future reference.

Features

. Low illumination, high resolution video and photo recording/taking
. High speed recording and quick light response
. Video Resolution：640X480 / 1280X960
. Photo Resolution：4032X3024
. Voice recording function
. Web camera for online video chat
. Flexible use as a removable disk
. Built-in flash memory, 2G /4G /8G optional
. Support AVI video format
. Real time disply
. Built-in Li rechargeable battery

Overview：

Operation Guide

1. Charge the battery:

The product has an internal, rechargeable battery. The battery can be charged by following ways:

1), By connecting to PC:
2). By battery charger

During charging, the blue indicator will blink, when the battery's power is full, the yellow indicator keeps on.

2. Turn your product on and recording:

Press and hold the Record/Stop button for about 3 seconds, the blue indicator turns on, after a while the yellow indicator will blink slowly, the product starts recording video & voice.

During recording, click the Record/Stop button again, will stop recording, and start saving the recorded video data. After data saving finished, the blue indicator turns on and waiting next recording.

If the continuous recording time is over 60 minutes, the product will save the current recording data, and then restart video recording automatically.

Note: To obtain perfect video, please place the product under enough illumination. Keep the product toward the target, and at least 50cm from the target.

3. Photo taking:

Every time you turn the product on, it will start Video Recording automatically, the yellow indicator blinkes slowly.

Click the Record/Stop button once, will stop recording, the blue indicator keeps on (Video Standby Mode).

When the product is in Video Standby Mode (blue indicator is on), click the Record/Stop button 3 times quickly and continuously, the product will enter Photo Standby Mode, and the blue and yellow indicators will blink alternately .

Click the Record/Stop button once to take photo, the blue indicator blinkes, and two photos will be taken and saved each time. You may choose a satisfied picture from them.

To quit the Photo mode, again click the Record/Stop button 3 times quickly and continuously, the product will back to Video Standby Mode, the blue indicator keeps on.

Note: To obtain clear picture, please keep the product static and not shake during photographing.

4. Voice Recording:

When the product is in Video Standby Mode (blue indicator is on), click the Record/Stop button 2 times quickly, the product will start voice recording, the blue indicator will blink slowly.
To quit the voice recording mode, just click the Record/Stop button once, the product will back to Video Standby Mode, the blue indicator keeps on.

5. Turn your product off:

When the product is working or stand-by, press and hold the **Record/Stop** button for about 3 seconds, the product will shut down.

6. Auto power off function:

The product will shut down automatically in following three conditions:

. The battery's power is low. At this time, the blue indicator will blink for seconds, and then the product will save data and shut down automatically .

. The memory is full. At this time, the blue and yellow indicators will blink for seconds, and then the product will save data and shut down automatically.

. If no operation for 5 minutes in Standby Mode, the product will shut down to save power.

7. Connecting to PC：

. Connect the product to a computer: When the product is in Standby Mode or shut down, you can insert the product into the USB port of computer. After a while, a removable disk symbol will appear on the computer screen. The yellow light will twinkle (charging battery), or the blue light will keep on (battery power is full).

Note: 1). Please connect the product and computer firmly and securely. If no response for 30 seconds after connected, please disconnect the product, and reconnect again.
2). Please do not connect the product to computer during video/Voice recording or photo taking.

. Function as a removable disk: When connect the product to PC, you can copy, move, or delete files stored in the micro SD card.

Note: It is highly recommended to copy the recorded video files into the hard disk of computer, and then to playback. Because of large amount of data flow, directly playback the video files stored in micro SD card, may cause the playback not smoothly.

. Function as a PC camera:
Before the first use as a PC camera, please install the driver named "**USB Camera Driver V1.102.exe"**, which is included in CD. Move the cursor to this file, double-click to execute it, and then follow the installation tips to complete installation.

When the product is shutdown, press and hold the **Record/Stop** button, and connect the product to the computer, after a while the USB video device sign will appear on the screen, release the button, and now you can use the product as a PC camera

8. Setting time：

The product has the function of real-time display, the date and time will be shown on the the image. To set or correct the date and time, follow the steps:

1), Edit a text file according to the format of "**TIME,2009/05/05/20:07:30;**".
"A sample file "timecfg.txt" is included in CD, you can use it to modify date and time directly.

2), Connect the product to computer, save the modified file "timecfg.txt" to the root directory of the product memory..

3), Disconnect the product from computer, turn the product on, the time will be set up automatically..

9. Reset function:

In case of system broken down or hung up, please reset the product. There is a small Reset hole on the pen, use a thin stick (e.g. toothpick) to press the Reset button inside the hole. Restart the product, it will work normally again.

10. Specifications：

Dimension：	150mm×15mm×15mm(approx.)
Weight：	50g(approx.)
View Angle：	62°
Minimum Illumination：	1 Lux
Video Format：	AVI
Resolution：	1280x960
Frame Rate：	30fps
Photo Image Format：	JPG 4032x3024
Voice Sampling：	16KHz
Operation System：	2000/XP/Vista
USB Interface：	USB 2.0/1.1
Battery Charge：	DC 5V
Store Temperature：	-20°- 80°

(Specifications are subject to minor change with upgrade and update. Please base on real object.)

11. Packing Contents:

1)，Main Unit (1)
2)，User Manual（1）
3)，CD（1）

4)，Battery Charger（1）
5)，USB Cable（1）

Care and maintenance

Your device is a product of superior design and craftsmanship and should be
treated with care. The following suggestions will help you protect your warranty
coverage.
• Keep the device dry. Precipitation, humidity, and all types of liquids or moisture
can contain minerals that will corrode electronic circuits. If your device does get wet,
allow it to dry completely.
• Do not use or store the device in dusty, dirty areas. Its moving parts and
electronic components can be damaged.
• Do not store the device in hot areas. High temperatures can shorten the life of
electronic devices, damage batteries, and warp or melt certain plastics.
• Do not store the device in cold areas. When the device returns to its normal
temperature, moisture can form inside the device and damage electronic
circuit boards.
• Do not drop, knock, or shake the device. Rough handling can break internal
circuit boards and fine mechanics.
• Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the
device.

*Please follow State's law. Do not use the product illegally.